THE TECH

VOL. XXVIII. No. 28 BOSTON, MASS., WEDNESDAY, DECEMBER 2, 1908 PRICE THREE CENTS

CROSS COUNTRY FALL HANDICAP

Will Be Held Over Eight Mile Course Next Saturday

CHANCE FOR NEW MEN

No Varsity Runners Entered in Annual Race — Howland Will Try for Record

Saturday afternoon the men who have been doing cross-country work will run the annual handicap cross-country race. None of the varsity team will run with the exception of Howland, who may try for a new record for the course. E. H. Lorenz 1905, who holds the present record, will come on from Hartford to run over the course with the fellows. With the regular squad eliminated, this race will afford a fine chance for the new men to get a prize or win the insignia, "cTc". Prizes are given to the first and second men to finish and to the man making the fastest time for the race. The letters representing Technology cross-country are given to the four men making the best times.

The start of the race is at the home of R. D. Farrington 1906, 56 Bellevue Street, Highland. One of the best courses in the vicinity of Boston has been chosen for this race. It is good running all the way and the character of the ground is so varied as to relieve any monotony which might exist. There is about as much road work as there is strict cross-country going. One part of the course leads for nearly a mile through the woods along an old log road, then across pastures for another mile, and so on to the main highway. After a half mile of macadamized road the trail strikes into the fields once more. The finish is up South street and Bellevue street to the starting point.

Coach Kanaly will make up the handicaps and all who intend to enter this race should leave their names at the cage by Friday morning, for J. N. Stephenson 1909.

There is an entry fee of 50 cents, which includes membership in the M. I. T. Hare and Hounds Club. It entitles a man to run in any race held by the club, and to vote at the annual election held in February. Membership cards may be obtained on the train Saturday afternoon, or from H. S. Benson 1912, C. P. Eldred 1911, R. Ellis 1909, or J. N. Stephenson 1909.

The squad will leave the Back Bay station at 2:22 P M., Saturday for Highland station. Round trip fare is 25 cents.

SOCIETY OF ARTS

Program for Winter Best Ever Presented

One of the most interesting programs in years has been provided by the Society of Arts for the benefit of the students and such of the public as are interested. The lectures are as far as possible non-technical and the speakers are all men who are eminent in their profession. The Society desires to benefit as many as possible and to this end the lectures are to be held in Huntington Hall, Rogers Building. They form part of the educational work of the Institute and are free.

The first lecture will take place on Dec. 7, and the subject will be "The Charles River Basin Improvement," by Mr. Hiram A. Hiller, chief engineer of the Charles River Basin Commission, who will describe the different engineering problems presented and how they were met. Mr. Williams A. Youngerman, secretary of the Commission, will tell of the beautiful results of the undertaking.

(Continued on page 2.)

GREAT ENTHUSIASM MARKS DEAN'S TRIP

Dean Burton Gives Address at New Technical School in Walla Walla

GIVEN M. I. T. CHEER

Former Technology Men Welcome Dean in all Parts of Country

Great enthusiasm marked the Dean's trip to the West. Everywhere he was heartily greeted, and a great spirit of interest for Technology was manifested.

At Walla Walla, Washington, the Dean gave an address to the supporters of the new movement for a technical school which is to be built and managed in connection with Whitman College. Just as the Dean was about to speak he was surprised with a regular M. I. T. cheer. Besides Dean Burton, President Northrup of the University of Minnesota, Secretary Stokes of Yale, and prominent men from Idaho, Oregon and Washington were present and spoke.

The plan is to add to Whitman College a high grade technical school which will give the degree of S. B. A fundamental elementary training is to be given in four years of study, and two more year's training will be necessary to take a degree in mining, mechanical, electrical, or civil engineering. The full course, then, will be six years in length.

The enterprise is backed by business men and it is expected that about $2,000,000 will be subscribed. A board of overseers has already been appointed, and no opposition is looked for from the state colleges. The buildings have been designed by a firm of Tech men, McNaughton, Raymond, and Lawrence of Portland, Oregon. These men are graduates in the years of 1902, 1903, and 1901, respectively.

While in Walla Walla, Dean Burton was a guest of Eugene Hunt, formerly 1909.

In Portland the Dean was banqueted at the Commercial Club by 12 Institute graduates. These men are as much interested as ever in Technology and have formed the Technology Club of Oregon.

At Seattle 12 more men met Dean Burton, and before he left, the Technology Club of Puget Sound was formed. It is probable that the membership in both these clubs will be about 30.

A temporary association of some thirty members is now in existence in Spokane, and several of these were on hand to welcome the Dean. This will probably be formed into a permanent organization under the name of the Technology Club of the Inland Empire.

All the clubs have sent congratulations to President-elect Maclaurin and express great faith in his ability to manage the future of the Institute.

There were men in San Francisco and also in South Dakota who wished to meet the Dean on his way East, but unfortunately for lack of time he found this impossible.

Everywhere the Dean was greeted with so many inquiries in regard to the Institute and its welfare that he says "The further West one gets the greater the spirit of enthusiasm for Technology seems to be."

VALENCE THEORY

Prof. F. J. Moore was the speaker at the physico-chemical colloquium, Monday evening at the Union.

He discussed the question, "Is the valence theory adequate?" and succeeded in presenting the question in a most interesting manner.

The importance and interest of the discussion were attested to by the large number present, as the colloquium was better attended than any this year.

WESTON TALKS TO CIVILS AT UNION

Society Hears Lecture on Use of Ground Waters by Graduate

PROCESSES DISCUSSED

Members Vote to Send Telegram of Greetings to Washington to Prof. Swain

After a most excellent dinner at the Union the Civil Engineering Society held a short business meeting and then listened to an excellent address on the "Use of Ground Water," by Robert Spurr Weston of the class of 1874.

Before commencing his lecture, Mr. Weston invited all interested to attend the meeting of the sanitary section of the Boston Civil Engineering Society this evening. The society is to discuss plumbing and draining regulations in cities, a subject of special interest to seniors in Course I at this time. The meeting is to be at the Boston City Club at 7:30 P. M.

Mr. Weston in speaking of ground water first gave a short but general history of the use of ground water, from the time of Aristotle to the present day. Although for some time surface water has been used almost exclusively to supply large cities, lately a movement has been made to return to the use of ground water as being cheaper and giving better service.

The experiment has been tried on Long Island and is giving good results there, artesian wells being the source of supply.

He then compared the impurities found in surface and in ground waters, and discussed in detail the purification of ground water. He described various processes for treating waters containing alkali, hard waters, and waters containing iron and magnese. His descriptions of the apparatus were especially interesting.

At the close of his talk, which met with hearty applause, it was announced that a joint meeting of the electrical, mechanical and civil engineering societies is under contemplation to listen to a lecture on "The Electrification of Steam Railroads," by Mr. Davis. Mr. Davis is particularly fitted to handle this subject as he lately supervised the electrification of the tunnels on the Pennsylvania system.

In the business meeting an amendment to the by-laws of the society, providing for the election of the program committee in April to serve one year instead of one term, as is now the case, was favorably reported on and laid on the table to be accepted at the next meeting. It was decided that the arrangement of excursions should be left with the program committee. The members of the society expressed themselves as in favor of having society dinners once a month. The society also voted to send the following telegram to Prof. C. F. Swain, in Washington:—

Prof. C. F Swain,
Washington, D. C.:
Greetings from the C. E. Society. Thanks for the exam.
(Signed) C. E. Society of Tech.

ODELL CHOSEN CAPTAIN

Lawrence G. Odell was elected captain of the sophomore baseball team on Monday. Odell is a member of last year's team and played at Mechanic Arts High School before entering the Institute. He managed the class football team in his freshman year, and covered first base in the class championship series last fall.

Eight of last year's team are back again, and the outlook for another good nine is excellent. The squad last year was particularly fortunate, defeating their opponents nine out of eleven games.

EXECUTIVE BODY OF FIVE ELECTED

Institute Committee Appoint Important Board of Students

ROOMS ASSIGNED

Desk Room in the Union to be Allowed to Union Student Organizations

As an executive committee of the Institute Committee the latter body elected yesterday afternoon to serve one year Maurice R. Scharff 1909, Raynor H. Allen 1909, Delos G. Haynes 1909, and Frank D. Stewart 1910. James H. Critchett 1909, as president of the Institute Committee, will act as chairman of this committee.

At its last meeting the Institute Committee accepted an amendment to its constitution providing for the election of an executive committee of four men from the undergraduate body. No restrictions were made that these men should be members of the Institute Committee or from any particular class, as it was believed that so important a body should be composed of those best suited to serve. As a preliminary to the appointment of this board the following men were nominated and carefully considered:—M. R. Scharff 1909, R. H. Allen 1909, F. D. Stewart 1910, J. M. Fitzwater 1910, R. S. Bicknell 1910, H. S. Manson 1910, L. D. Nisbet 1909, D. G. Haynes 1909.

Of the men elected M. R. Scharff was president of his class in his freshman year, is a past president of the Exeter Club, was business manager of Technique 1909, has been three years a member of the track team, served on the Institute Committee in 1908 and 1909, and is a member of the Union Committee.

R. H. Allen 1909, was on the Institute Committee last year, editor-in-chief of Technique 1909, member of the Junior Prom Committee, president of the freshman class, and a member of the class track team.

Delos G. Haines was secretary of the class of 1909, member of the 1909 election committee, which carried on the most successful election of the year.

Frank D. Stewart was captain in the freshman year and manager of the class relay team in the sophomore year, president of the class, and a member of the electoral committee of Technique 1909.

The room committee reported that in Room A desk room should be allowed to the president of the Institute Committee, chairman of the house committee, manager of the track team, and of the musical clubs, and the chairman of the Junior Prom committee, and of the Senior Portfolio. Desks for outside activities may be placed in Room B, the Show office.

The Institute Committee reserves the right to hold meetings in the Technique office, Room C.

L. D. Nisbet 1909, and C. J. Belden 1909, were appointed to draw up a set of resolutions thanking the Committee of the Corporation on Student Welfare for their generous donations to the erecting of the Union. These resolutions are to be presented for ratification at a convocation of the classes to be held shortly.

CALENDAR

WEDNESDAY, DEC. 2.
7:00 P. M.—Civil Engineering Society summer school reunion.
1:00 P. M.—Revolver men in 22 Rogers.

THURSDAY, DEC. 3.
1:00 P. M.—Class of 1909 meeting in Huntington Hall.
6:15 P. M.—Bible Class in Union.

FRIDAY, DEC. 4.
1:00 P. M.—Baseball men in Huntington Hall.

THE TECH

Published every Monday, Wednesday, and Friday during the college year by students of the Massachusetts Institute of Technology.

Entered as second-class matter October 6, 1904, at the post office at Boston, Mass., under the Act. of Congress of March 3, 1879.

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Subscriptions within the Boston Postal District and outside of United States must be accompanied by postage.

Subscription - - - $1.50 per year in advance.
Single Copies 3 Cents.

THE TECH sent to addresses in Greater Boston or abroad, 86 cents per volume, additional.

Printed by Old Colony Press, Boston.

Wednesday, December 2, 1908.

The Tech regrets to announce the resignation of Leslie Gordon Glazier 1911 from the board of associate editors. Donald Nichols Frazier 1911, has been unanimously appointed to the business staff.

Three seniors and one junior were elected yesterday by the Institute Committee to what will undoubtedly prove the most important and influential committee in the undergraduate body. Though appointed nominally as an executive committee of the Institute Committee it is probable that this board will extend its power to all questions vital to the welfare of the student and the Institute, and it seems only proper that this should be so. In line with the rather remarkable advance this year of the Institute's social life, the newly organized Institute Committee has awakened to its opportunities, and its action in regard to the point system, the governing of the Union, and the bulletin board and other regulations has met with almost universal approval. To those who have followed its work it is evident that the future development of all phases of Institute activity will be well taken care of by this most energetic body.

The reorganization of the Institute governing board has produced a body necessarily too large to deal efficiently with the numberless details of development. The smaller working unit seems the one plausible solution.

That the Institute Committee did not limit membership in its executive committee to its own men is commendable, and it is well that the five men in the Institute with the greatest executive ability, initiative, and energy should be placed upon a board of so wide an influence. It is obviously impossible to select five men from a group of 1462 who are best qualified to fill executive positions and it may be possible that there are other undergraduates of ability equal to those appointed. These men have, however, shown much energy and enthusiasm in the past and much can be expected from them in their new work.

There are great opportunities open to the executive committee of the Institute Committee. What they may do will be watched with interest.

The Union committee reports a considerable amount of business done last week in spite of the interruption occasioned by the Thanksgiving holiday. The total amount of business done was $893.22, as compared with $1096 the week before. Thirty-one men were present at the Thanksgiving dinner.

At the last meeting of the committee it was proposed to have new menu cards printed with the Technology seal at the top. The resignation of George C. Kenney 1911, was announced from the dining room committee and Donald Frazier 1911, was elected a member of the committee and secretary in Kenney's place.

SOCIETY OF ARTS

(Continued from page 1.)

"Modern Alluminants and Illumination," is the subject for Dec. 17, the speaker being Dr. Louis Bell of Boston.

The research laboratory of Applied Chemistry of the Institute, under the direction of Dr. W. H. Walker, has been engaged in some far-reaching investigations on the conditions affecting the corrosion of metals. He has selected for the lecture of Jan. 13, "The Corrosion of Iron and Methods of Preventing it.

On Jan. 28, Dr. Charles P. Steinmetz, who is engaged in conducting research work for the General Electrical Company, and who is also at the head of the Electrical Engineering Department at Union University, Schenectady, N. Y., and one of the most original experts in the electrical profession in the country, will talk on "The Future of Electricity."

On the anniversary of the birth of Charles Darwin there will be a memorial meeting in the Hall, and the members will be addressed by a number of eminent scientists and the present day aspect of the theory of the origin of species will be discussed.

At later dates the Society will hear lectures from a number of other scientists of the day. These dates are not announced as yet. The speakers will be as follows:—

Prof. George E. Hale, director of the Mount Wilson Solar Observatory of the Carnegie Institution, Pasadena, Cal., will speak on "Recent Advances in Astro-Physics."

Prof. Robert S. Woodward, president of the Carnegie Institution, has consented to address the Society on the "Larger Research Problems of the Carnegie Institution."

Prof. Charles E. Luke, at the head of the Department of Mechanical Engineering, at Columbia University, will speak on the development of the gas engine.

The Society of Arts of the Institute was established forty-seven years ago, by President Rogers. It is especially devoted to the general dissemination of scientific knowledge and it aims to awaken and maintain an interest in the recent advances and practical applications of the sciences.

CHESS IS POPULAR

Chess has come to be a very popular game since the Chess Club provided the Union with seven new sets of boards and men. The tournament, which is to determine the makeup of the chess team is well under way, great interest being shown not only by the contestants, but by nearly every man in the Institute who understands the game.

The chess team is a member of the Metropolitan Chess League, a group of teams about greater Boston. Harvard's team and the Roxbury Club have withdrawn from the league, however, and the chances are that the league will be dissolved as a result. If the league does not materialize arrangements will be made for games with the teams of other schools and colleges, games having already been arranged with Brown, Harvard, and Phillips Andover.

Last week the team played a practice game with Harvard and lost by a score of three and one-half to one and one-half. The men who represented Tech in this match were Schmidt, Mylchreest, Kaufman, Morrill, Gring, and Bates. These men are all promising candidates for the team. Among the other players, Navarro and Everett have shown decided ability.

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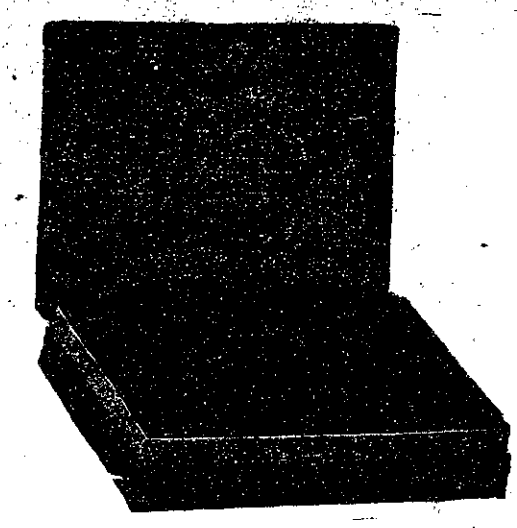
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ALWAYS EASY

FENCING BEGINS

First Meet of Season with Y.M.C.A. on Saturday

Intercollegiate fencing will become one of the foremost winter sports at the Institute, if the present plans of the Intercollegiate Fencing Association are put into effect this year. The most important move contemplated is the admission to the fencing league of the colleges of the middle west which have proficient teams. At present the association consists of the following colleges:—Harvard, Yale, Columbia, West Point, Annapolis, Pennsylvania, Princeton, M. I. T., and Cornell.

At Technology every man who has ever fenced is asked to come out and help make the team a success. V. C. Grubnau 1909 who has been elected captain, is an excellent fencer, and if enough men show up, a good team is assured. With the exception of last year, the Technology team has always done good work, and has often defeated the larger colleges; last year, however, the team was severely handicapped and made a poorer showing than was expected. It is up to the men this year to make up for the poor work of last year and to put the Tech team at the top again. At the present time there are an even dozen men in the fencing club, and from this number the following men have been picked to represent Technology at the first meet of the year which will occur next Saturday:—Copinger, E. M. Loring 1909, K. B. Knox 1912, P. K. Chinchilla 1909, and Captain V. C. Grubnau 1909.

The meet next Saturday is with the Boston Y. M. C. A. The meet promises to be a good one, and the first bout of the season should prove a great attraction.

A week from Saturday the Tech team will meet Springfield Training School at Worcester

EXCELLENT PROGRAM

Musical Clubs to Perform at Friday Evening Entertainment

The musical clubs will perform at the Friday evening concert this week and forty members are expected to take part. A big audience is expected as this will be the first time that the clubs have given a concert before the Institute students this season and the occasion will give every one a chance to see what sort of a performance is expected at the winter concert.

The program is as follows:—

Glee Club—Onward	Siebel
Mandolin—Nero's Arrival	Brazil
Glee Club—Autumn Sea	Senckcki
Mandolin—Idle Minutes	Rollinsson
Glee Club—Sandman	Protherde
Mandolin—Birds and the Brook	Stubs

The banjo club will not be able to perform on account of a previous engagement.

CLASS BASKETBALL

Candidates Practice Against Institute Team

Twenty-four freshmen and 14 sophomores answered the call for class basketball candidates. Practice is under way and the men are receiving daily work at the Gym against the first and second team. The sophomores will play the Tufts freshmen a week from today in the Gym at 4:30 P. M., and as all the stands will be up for the game of the Institute team against Boston College in the evening, a good opportunity of supporting the class teams is afforded. No admission will be charged and a good game is looked forward to. Arrangements have been made to play the Harvard freshmen on Jan. 16. The next regular team practice for both classes will be held on Saturday at 2 o'clock.

The following men have reported as candidates for the class teams:—

1911—G. E. Livingston, H. D. Williams, P. H. Pearson, D. R. Stevens, G. A. Hodge, R. G. McPherson, R. Emmel, R. E. Shatz, T. B. Parker, Capt., H. H. Catching, S. B. Copeland, C. H. Harrington, F. W. Coville, T. Metcalf, W. H. Hildebrand, Mgr.

1912—R. H. Scanlon, J. Hartnett, H. Greenleaf, E. Montgomery, A. F. Kenrick (Capt.), F. A. Bennett, L. W. Chandler, A. J. Freedman, R. C. Stickney, H. L. Woehling, Manuel Foret, J. M. Hargrave, F. Baker, R. M. White, R. B. Stone, S. Steinberg, A. L. Lyle, S C. Sargent, H. P. Davis, M. Font, M. C. Cherry (Mgr.), Geissey, C. B. Bussey, F. C. Bolke.

NOTICES

ELECTRICAL ENGINEERING—Society dinner at Union at 6:30 P. M., Thursday, Dec. 10. Mr. Ferguson 1888, will speak.

ELECTRICAL ENGINEERS—Leave South Station at 1:43 P. M., Thursdays, Fridays and Saturdays, for Fore River Ship Building works. Get tickets from Carter, Loud, and Osborne. Round trip 10 cents.

1912—Orders for class pipes should be given to Ruby or R. Walsh this week.

HANDICAP RACE—The annual handicap cross-country race will be held at Highland Station on Saturday. Entries must be left at the cage for Stephenson by Friday at 9 A. M. The entry fee of 50 cents may be turned in with the entry or paid on the train. The train leaves Back Bay station at 2:22 P. M. Round trip fare is 25 cents.

BIBLE CLASS—Mr. Stockdale's class will meet in the Union Thursday, from 6:15 to 7 P. M. All Tech men are welcome to come in and consider the vital truth in "The Sermon on the Mount."

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FACULTY NOTICES

HYDRAULICS—Courses X and XIII have been changed from Room 53 Eng. A, on Tuesday at 10, to Room 33 A.
E. A. Wilson.

THIRD YEAR—Electrical measuring instruments in 23 Walker, Tuesdays and Thursdays at 11 A. M.

COURSE XI—Water analysis, Thursdays, 10 A. M., in Room 31 Eng. A, and Fridays 12 to 1 P. M., in 22 Eng. A.
A. E. Wilson, Registrar's Asst.

FOURTH YEAR—There will be an examination in dynamics of machines Saturday, Dec. 12, from 2 to 4 P. M., in Room 20 Eng. A.

FOURTH YEAR—There will be an examination in hydraulic measurements Saturday, Dec. 12, from 2 to 4 P. M., in Room 50 Eng. A.

NOTICES

BASEBALL—All those interested in the forming of a varsity baseball team meet in Huntington Hall, Friday at 1 P. M.

CLASS OF 1909—Meeting in Huntington Hall, Thursday, at 1 P. M.

REVOLVER SHOOTING—All men interested in revolver shooting, please meet in Rogers 22, at 1 P. M., Wednesday.

WEIGHT MEN—Coach Kanaly wants to meet all the big men of the Institute who care to take a chance at the weight events in the lot in front of the Lowell Building, Monday at 4 P. M. This means every man who is physically competent, whether he knows anything about the events or not. Instruction will be given in throwing the hammer and discus and in putting the shot.

FIELD CLOSES—The Field will be open for the last time this fall on Friday afternoon to accommodate the boys who are to run in the interscholastic cross-country run. Those who have any goods at the Field must get them on Friday afternoon.

BIBLE CLASS—Rev. Stockdale's Bible class will meet as usual in the Union on Thursday, from 6:15 to 7 P. M., to study "The Sermon on the Mount." This subject is taken up from the standpoint of the practical value and every-day application of this wonderful address.

1911 RELAY TEAM PICTURE—Thursday, Dec 3, at 1 P. M., sharp. Jordan Studio, 384 Boylston Street.

CLASSIFIED ADS

Advertisements under this head are inserted at the rate of five cents a line of six words, payable in advance, and copy should be handed to the business manager the morning before publication day.

LOST—Standard French Authors. Please leave at cage for Humphreville.

LOST—Notes in Index Fossils. From corner Exeter and Newbury to Union. Leave at cage for T. A. Roper.

LOST—Gold watch initialed P. D. W., in 31 Eng A; 10-11 Wednesday. Please return to P. D. W., the cage.

LOST—Pad coordinate paper with valuable plots. Reward for return to R. A. Smead, Cage.

LOST—Part of watch fob consisting of "Tech" seal, attached by a black silk ribbon, Thursday, Nov. 19. Will the finder please leave it to the cage and oblige, C. F. Piper 1910.

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